

TABLE 1-7
SUMMARY OF EBS SITES/AREAS OF CONCERN

REMEDIAL INVESTIGATION REPORT

STRATFORD ARMY ENGINE PLANT
STRATFORD, CONNECTICUT

EBS SITE NO.	ASSOCIATED RFA AOCs	DESCRIPTION
1 1 a 1 b 1 c 1 d 1 e 1 f 1 g	1	Waste Oil Tanks in the Oil Tank Farm Aboveground Tank No. H102M: 33-18 Oil; 10,000 gallons Aboveground Tank No. H103W: 31-30 Oil; 10,000 gallons Aboveground Tank No. H104W: Waste Oil (high sulfur); 10,000 gallons Aboveground Tank No. H058W: Waste 31-32 Oil; 5,000 gallons Aboveground Tank No. H1013W: Waste Oil; 5,000 gallons General vicinity of B-13, B-15: numerous small spills Aboveground storage tank overfills
2 2 a 2 b 2 c 2 d 2 e 2 f 2 g 2 h 2 i	2	Hazardous Waste Accumulation Aboveground Tanks: Oil Tank Farm Aboveground Tank No. H056M: Recycled 1,1,1-TCA; 5,000 gallons Aboveground Tank No. H055M: Recycled 1,1,1-TCA; 5,000 gallons Aboveground Tank No. H057W: Waste Oil (chlorinated); 5,000 gallons Aboveground Tank No. H1012W: Waste Oil; 5,000 gallons Aboveground Tank No. H059W: Waste Fuel; 5,000 gallons Aboveground Tank No. H101M: New 1,1,1-TCA; 10,000 gallons Aboveground Tank No. H1010M: Varsol; 10,000 gallons Aboveground Tank No. H1010M: TPC (reused tank); 10,000 gallons Aboveground Tank No. H1011W: Coolant; 10,000 gallons
3 3 a 3 b 3 c	3	Hazardous Waste and Waste Oil Transfer Systems between B-13 and B-15 Former Waste Fuel UST (F001); 500 gallons Former Waste Solvent and Oil UST (F001); 500 gallons (2) Former Waste Oil USTs (F001); 400 gallons
4 4 a 4 b	4	B-16 floor drains, sumps and associated piping (52) Drains corroded by chlorinated solvents Waste solvents/oils/fuels dumped into drains.
5 5 a	5	Storm and wastewater collection system for the OATP Grease from wastewater in storm drainage system discharged to intertidal flats
6 6 a 6 b 6 c 6 d	6	OATP in B-64 Surge Tank No. W2; 200,000 gallons NaOH/Alum Tank No. H1016M; 10,000 gallons Aboveground Tank No. C013G: Oil-Polymer; 10,000 gallons Aboveground Tank No. C014G: Oil Polymer; 10,000 gallons
7 7 a	7	Oil/Alum tank at NE corner of B-13 Aboveground Tank No. C107F: Oil-Alum; 10,000 gallons
8	8	CWTP collection system, pump stations, assoc. piping in B-63
9	9	CWTP cyanide destruction facility in B-70
9 a 9 b 9 c 9 d 9 e 9 f 9 g 9 h		Aboveground Tank No. T051W: Cyanide; 5,000 gallons Aboveground Tank No. T052W: Cyanide; 5,000 gallons Aboveground Tank No. H0516M: Sulfuric Acid; 500 gallons Aboveground Tank No. H0517M: Sodium Hydroxide; 500 gallons Aboveground Tank No. H0518M: Sodium Hypochlorite; 500 gallons Aboveground Tank No. H0515M: Sulfuric Acid; 500 gallons Aboveground Tank No. H0519M: Sodium Hydroxide; 500 gallons Aboveground Tank: #2 Fuel Oil; 275 gallons

**TABLE 1-7
SUMMARY OF EBS SITES/AREAS OF CONCERN**

REMEDIAL INVESTIGATION REPORT

**STRATFORD ARMY ENGINE PLANT
STRATFORD, CONNECTICUT**

EBS SITE NO.	ASSOCIATED RFA AOCs	DESCRIPTION
10 10 a 10 b 10 c 10 d 10 e 10 f 10 g 10 h	10	CWTP in B-18 (6) Chrome Reduction Tanks (W3 through W7, W10) in B-18; 4 ft.x 25 ft. x 13 ft. Metals Removal Unit in B-18; (1) 240,000 gallon and (2) 120,000 gallon equalization tanks Metals Removal Unit Clarifier; 60,000 gallons Aboveground Tank No. H0315: NaOH; 3,500 gallons Aboveground Tank No. H0316: NaOH; 3,500 gallons Aboveground Tank No. C0111G: Fuel Oil #6 (previous 275 gallons) Aboveground Tank No. H3014M: Sulfuric Acid; 5,000 gallons Aboveground Tank No. C0111G: Fuel Oil #6 (existing 1,000 gallons)
11 11 a	11	CWTP solids area in B-71 Metal Hydroxide sludge; 40,000 pounds
12 12 a	12	Container accumulation area and associated drains, west of B15 Hazardous material storage (solvents, acids, fuels, caustics), B-74
13	13	Original Container Storage Area, east of B-13
14	14	Container Storage Areas A & B, west of B-18
15	15	Sludge Roll-off Container area north, of B-71
16	16	Metal chips oily sump, near northwest corner B-13
17 17 a	17	Soil pile at the south parking lot Petroleum-contaminated soil from B-65 excavation as fill
18 18 a	18	Equalizing Impoundment (Lagoon #1) Lagoon overflow of Cr VI plating wastewater
19 19 a 19 b 19 c 19 d 19 e	19	Sludge Drying Beds (Lagoons #2, #3, and #4) Sludge Drying Bed #2; 9,140 sq. ft. Sludge Drying Bed #3; 7,920 sq. ft. Sludge Drying Bed #4; 12,600 sq. ft. Petroleum stained soils reported in sludge lagoon excavation Sludge Lagoons #2, #3, and #4 closed under RCRA
20 20 a	20	Causeway on the Housatonic River Paint solvents and wastes reported to have been burned
21 21 a 21 b	21	B-65 area; previous location of B-52 and B-55 Paint-contaminated soils excavated to low tide water level Petroleum-contaminated soils excavated and moved to south parking lot
22	22	Waste paint tank/vault between B-2 and B-3, near B-70
23 23 a	23	Dry well inside B-19 Waste fuels, oils, and solvents discharged to dry well
24 24 a 24 b 24 c	24	Discharge to Housatonic River at OF-007 Chromic acid discharged to OF-007 Oil sludge from OATP discharged from OF-007 Hexavalent chromium plume extending 200 yds from OF-007

**TABLE 1-7
SUMMARY OF EBS SITES/AREAS OF CONCERN**

REMEDIAL INVESTIGATION REPORT

**STRATFORD ARMY ENGINE PLANT
STRATFORD, CONNECTICUT**

EBS SITE NO.	ASSOCIATED RFA AOCs	DESCRIPTION
25 25 a 25 b 25 c	25	Discharge to Housatonic River at OF-008 and drainage channel Treated effluent from CWTP with occasional contaminants Equalization lagoon overflow into drainage channel EPA observed white foam from lime-green liquids from clarifier discharging into drainage channel
26	26	Former septic system beneath B-2
27 27 a 27 b 27 c	27	B-58 and associated satellite accumulation areas Jet Fuel (Satellite Accumulation Area); 55 gallons 1,1,1-TCA; >300 gallons Oil found in subsurface soil during construction of B-58
28 28 a 28 b 28 c 28 d	28	B-15 and associated satellite accumulation areas 1,1,1-TCA sludge (Satellite Accumulation Area); 55 gallons Waste Oil (Satellite Accumulation Area); 55 gallons Oils; >3,000 gallons Solvents (1,1,1-TCA, TPC); 20,000 gallons
29	29	B-48 and associated satellite accumulation areas
30 30 a 30 b 30 c 30 d 30 e 30 f 30 g 30 h 30 i	30	B-34 and associated satellite accumulation areas Waste Oil and Filters (Satellite Accumulation Area); 55 gallons Jet Fuel (Satellite Accumulation Area); 55 gallons Aboveground Tank No. F204M: JP-4; 20,000 gallons Aboveground Tank No. C2012M: Diesel fuel #2; 20,000 gallons Aboveground Tank No. C2013M: Jet-A; 20,000 gallons Aboveground Tank No. F205M: JP-4; 20,000 gallons Aboveground Tank No. C2014M: JP-5; 20,000 gallons Aboveground Tank No. C2015M: Jet-A; 20,000 gallons Aboveground Tank No. C316M: Empty; 3,000 gallons
31 31 a 31 b 31 c 31 d 31 e 31 f	31	B-6 and associated satellite accumulation areas Waste 1,1,1-TCA (Satellite Accumulation Area); 55 gallons Jet Fuel (Satellite Accumulation Area); 55 gallons Fuel (Satellite Accumulation Area); 55 gallons Waste TPC (Satellite Accumulation Area); 110 gallons Waste Oil (Satellite Accumulation Area); 110 gallons Waste Oil and Freon (Satellite Accumulation Area); 55 gallons
32 32 a 32 b 32 c 32 d 32 e	32	B-5 and associated satellite accumulation areas Jet Fuel (Satellite Accumulation Area); 55 gallons Waste Oil (Satellite Accumulation Area); 55 gallons Waste Oil/TPC (Satellite Accumulation Area); 55 gallons Waste Oil/Calibration Fluids (Satellite Accumulation Area); 330 gallons Fuel, Lubricating, and Hydraulic Oils; 2,750 gallons
33 33 a 33 b 33 c 33 d	33	B-19 and associated satellite accumulation areas Waste Oil and Filters (Satellite Accumulation Area); 55 gallons Jet Fuel (Satellite Accumulation Area); 55 gallons Waste Oil (Satellite Accumulation Area); 55 gallons PCB transformers inside B-19
34 34 a 34 b 34 c 34 d 34 e	34	B-3A and associated accumulation areas Waste 1,1,1-TCA (Satellite Accumulation Area); 30 gallons Waste Oil (Satellite Accumulation Area); 30 gallons Jet Fuel (Satellite Accumulation Area); 30 gallons Spill of cleaning solvents north of B-3A PCB transformers inside B-3A

**TABLE 1-7
SUMMARY OF EBS SITES/AREAS OF CONCERN**

REMEDIAL INVESTIGATION REPORT

**STRATFORD ARMY ENGINE PLANT
STRATFORD, CONNECTICUT**

EBS SITE NO.	ASSOCIATED RFA AOCs	DESCRIPTION
35	35	B-43 and associated satellite accumulation areas
36	36	B-12 and associated satellite accumulation areas
36 a		Waste Oil (Satellite Accumulation Area); 55 gallons
36 b		Waste Oil and Filters (Satellite Accumulation Area); 55 gallons
36 c		Aboveground Tank No. G034M: Ammonia; 3,000 gallons
37	37	B-10 and associated satellite accumulation areas
37 a		Aboveground Tank No. C801G: #6 Fuel Oil; 80,000 gallons
38	38	B-2 former USTs
38 a		Sanitary UST (beneath building); 1,500 gallons
38 b		(2) Oil USTs (beneath building); 2,500 gallons
39	39	B-4 former brine UST; 20,000 gallons
40	40	B-6 former USTs
40 a		(2) Fuel USTs; 550 gallons
40 b		Oil UST (sand filled); 5,000 gallons
40 c		Fuel UST (sand filled); 5,000 gallons
41	41	B-9 former USTs
41 a		Leaded Gasoline UST; 2,500 gallons
41 b		Unleaded Gasoline UST; 2,500 gallons
41 c		(2) Gasoline USTs; 3,000 gallons
42	42	B-9 former USTs (were existing when RFA was written)
42 a		Unleaded Gasoline UST; 3,000 gallons
42 b		Unleaded Gasoline UST; 3,000 gallons
43	43	B-18 former UST (Fuel Oil #2; 1,000 gallons)
44	44	B-19 former USTs
44 a		(2) Fuel USTs; 550 gallons
44 b		Fuel UST; 1,000 gallons
44 c		Fuel UST; 2,000 gallons
45	45	Jet Fuel Tank Farm former USTs at B-34
45 a		(2) JP-4 USTs; 20,000 gallons
45 b		(2) Jet-A UST; 20,000 gallons
45 c		JP-5 UST; 20,000 gallons
45 d		Diesel Fuel UST; 20,000 gallons
45 e		Fuel (1% solvent) UST; 4,000 gallons
45 f		Varsol UST; 5,000 gallons
45 g		Fuel UST; 1,000 gallons
45 h		(9) Fuel USTs; 300 gallons
45 i		Unknown/Empty UST; 5,000 gallons
45 j		Fuel storage tanks occasionally overfilled
46	46	B-52 former UST
46 a		Oil UST (sand filled, beneath building); 1,000 gallons
47	47	B-58 Radioactive Waste Storage Area (located in B-73)

**TABLE 1-7
SUMMARY OF EBS SITES/AREAS OF CONCERN**

REMEDIAL INVESTIGATION REPORT

**STRATFORD ARMY ENGINE PLANT
STRATFORD, CONNECTICUT**

EBS SITE NO.	ASSOCIATED RFA AOCs	DESCRIPTION
48 48 a 48 b 48 c 48 d 48 e 48 f 48 g 48 h 48 i 48 j 48 k 48 l	48	B-16 and associated satellite accumulation areas Waste Oil (Satellite Accumulation Area); 55 gallons Jet Fuel (Satellite Accumulation Area); 55 gallons Oil and Filters (Satellite Accumulation Area); 55 gallons Jet Fuel (Satellite Accumulation Area) at B-16-north; 55 gallons Oil and Rags (Satellite Accumulation Area) at B-16-north; 55 gallons Waste Oil (Satellite Accumulation Area) at B-16-west; 55 gallons Oil and Rags (Satellite Accumulation Area) at B-16-west; 55 gallons Jet Fuel (Satellite Accumulation Area) at B-16-west; 55 gallons Aboveground Tank No. C401G: Jet-A/Diesel; 40,000 gallons Aboveground Tank No. C402G: Diesel Fuel #2; 40,000 gallons Broken manometers released mercury to floors and drains Spills of waste solvents stored on small docks on east side of building
49 49 a 49 b 49 c	49	B-2 Manufacturing Areas Paints and solvents Acid/Acetone (Satellite Accumulation Area); 55 gallons Acid/Isopropanol (Satellite Accumulation Area); 55 gallons
50 50 a 50 b 50 c 50 d 50 e 50 f 50 g 50 h 50 i 50 j 50 k 50 l	50	B-2 Plating Area Hydrochloric Acid (Plating Chemical Storage Area); > 4,700 kilograms Nickel Sulfamate (Plating Chemical Storage Area); 600 kilograms Hydrofluoric Acid (Plating Chemical Storage Area); 200-300 gallons Nitric Acid (Plating Chemical Storage Area); > 450 kilograms Sulfuric Acid (Plating Chemical Storage Area); > 450 kilograms Chromic Acid (Plating Chemical Storage Area); 5,440 kilograms Sodium Cyanide (Plating Chemical Storage Area); > 1180 kilograms Waste Cyanide (Satellite Accumulation Area); 55 gallons Waste Oil (Satellite Accumulation Area); 55 gallons Waste TPC (Satellite Accumulation Area); 30 gallons Waste 1,1,1-TCA (Satellite Accumulation Area); 30 gallons Waste Sodium Hydroxide Sludge (Satellite Accumulation Area); 55 gallons
51	51	B-3 Plating Areas
52 52 a 52 b	52	Outfall Nos. OF-001, OF-005, and OF-006 Waste solvents through drains of B-16 to intertidal flats Plating wastes and other chemical operations discharged to intertidal flats
53	53	Drum staging area between tank farm and B-37

**TABLE 1-7
SUMMARY OF EBS SITES/AREAS OF CONCERN**

REMEDIATION INVESTIGATION REPORT

**STRATFORD ARMY ENGINE PLANT
STRATFORD, CONNECTICUT**

EBS SITE NO.	ASSOCIATED RFA AOCs	DESCRIPTION
54	54	B-17
54 a		1,1,1-TCA (Raw); 55 gallons
55	55	B-72
55 a		Aboveground Tank No. C201G: Diesel #2; 20,000 gallons
55 b		Aboveground Tank No. F202G: JP-4; 20,000 gallons
55 c		Aboveground Tank No. C203G: Diesel #2; 20,000 gallons
55 d		Aboveground Tank No. C204J: Jet-A; 20,000 gallons
55 e		Aboveground Tank No. C101G: Diesel #2; 10,000 gallons
55 f		Aboveground Tank No. C102J: Diesel #1; 10,000 gallons
55 g		Jet Fuel (Satellite Accumulation Area); 55 gallons
55 h		Oil and Filters (Satellite Accumulation Area); 55 gallons
56	56	Research and Development area in northern B-3, B-3A and B-4
57	57	Drum storage area east of B-19
57 a		B-19 Drum Storage Rack (1,1,1-TCA and Oils)
57 b		Former drainage system of grating over gravel trench
57 c		1,1,1-TCA leak. Contaminated soils have been excavated
58	58	Scrap metal yard north of B-16
59		B-4 Drum storage area
60		B-6A Waste Oil and Rags (Satellite Accumulation Area)
61		B-6A Waste TPC and Oil (Satellite Accumulation Area)
62		B-7 Waste Oil (Satellite Accumulation Area)
63		B-8 Flammable Storage (Paints and Solvents)
64		B-8 Waste Paint (Satellite Accumulation Area)
65		Aboveground Tank No. C029G: Diesel Fuel #2; 2,000 gallons
66		Aboveground Tank No. C018G: Diesel Fuel #2; 1,000 gallons
67		Aboveground Tank No. C0110G: JP-5; 1,000 gallons
68		Aboveground Tank No. F601G: JP-4; 60,000 gallons
68 a		Fuel storage tanks occasionally overfilled
69		Aboveground Tank No. C602G: Jet-A; 60,000 gallons
70		Aboveground Tank No. C107F: Oil; 10,000 gallons
71		Aboveground Tank No. F503M: Methanol; 5,000 gallons
72		Aboveground Tank No. C4001A: Fuel Oil #6; 400,000 gallons
73		Fuel, Lubricating, and Hydraulic Oils near B-69
74		B-2. PCBs in transformers, Magnesium and Nickel Thorium Machining
75		B-3. PCBs in transformers

Notes: RFA - RCRA Facility Assessment Chromic Acid (Plating Chemical Storage Area); 5,440 kilograms

Prepared by: RTB
Checked by: DRP